

Technical Information

# MOBICAT MC 110 EVO2



**Track-mounted jaw crusher**  
For use in natural stone and recycling

**MOBICAT EVO2**  
Series

## HIGHLIGHTS

- > Continuous Feed System (CFS) for optimal crusher loading
- > Innovative crusher unblocking system for extremely short downtimes
- > Innovative overload and control systems protect the crusher
- > Independently vibrating double-deck prescreen
- > Efficient and powerful D-DRIVE diesel-direct drive
- > Simple and intuitive SPECTIVE control concept



MOBICAT MC 110 EVO2 mobile jaw crusher

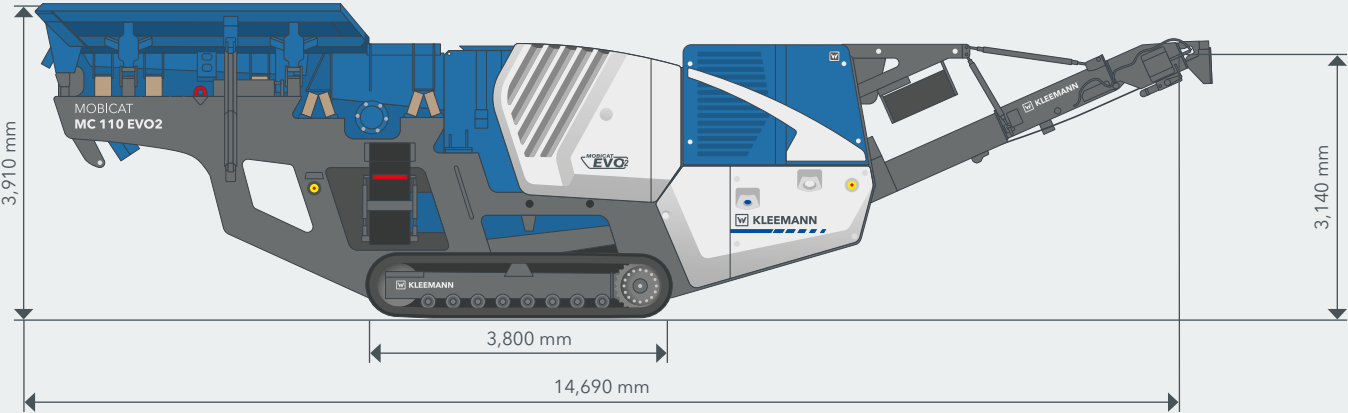
The MOBICAT MC 110 EVO2 jaw crusher is used for pre-crushing almost all natural stone and in recycling. This efficient top performer stands out with compact dimensions, efficient

prescreening, simple operation via SPECTIVE, as well as impressive production output.

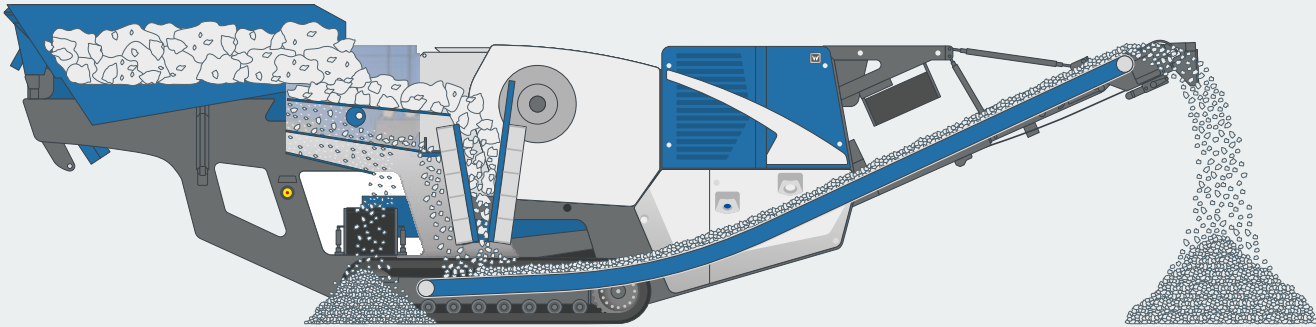
MC 110 EVO2 TECHNICAL DATA			
Feeding unit			
Feed capacity up to approx. (t/h)	400 <sup>1)</sup>		
Max. feed size (mm)	990 x 620 x 370		
Feed height (with extension) (mm)	3,910 (4,280)		
Width x length (with extension) (mm)	2,070 x 3,370 (2,780 x 3,510)		
Hopper volume (with extension) (m³)	4.4 (7.5)		
Vibrating feeder chute			
Width x length (mm)	1,000 x 2,600		
Prescreening			
Type	Double-decker heavy-duty screen		
Width x length (mm)	1,000 x 1,830		
Side discharge conveyor (optional) <sup>2)</sup>			
Width x length (extended) (mm)	500 x 2,700 (5,000)		
Drop height approx. (extended) (mm)	2,050 (2,940)		
Crusher			
Single-toggle jaw crusher model	STR 110 – 070		
Crusher inlet width x depth (mm)	1,100 x 700		
Crusher weight approx. (kg)	17,000		
Crusher drive type, approx. (kW)	Direct, 160		
Crusher			
Gap width adjustment range (mm)	30 – 180 <sup>3)</sup>		
Crusher gap adjustment	Fully hydraulic		
Crushing capacity <sup>4)</sup>			
Crushing capacity with CSS = 60 mm up to approx. (t/h)	130		
Crushing capacity with CSS = 100 mm up to approx. (t/h)	210		
Crusher discharge conveyor			
Width x length (extended) (mm)	1,000 x 9,500 (11,000)		
Drop height approx. (extended) (mm)	3,140 (3,750)		
Power plant			
Drive concept	diesel-direct <sup>5)</sup>		
Scania diesel engine drive power (kW)	240 – 248 <sup>6)</sup>		
Generator (kVA)	88 (135 <sup>7)</sup> )		
Transport			
Transport height approx. (mm)	3,400		
Transport length approx. (mm)	15,010		
Max. transport width (mm)	3,000		
Transport weight of basic plant – max. configuration approx. (kg)	42,500 – 49,000		

<sup>1)</sup> Depending on the type and composition of the feed material, as well as the feed size, the prescreening and the desired final grain size  
<sup>2)</sup> Side discharge conveyor remains attached to the plant for transportation  
<sup>3)</sup> CSS: Spike base; the gap width range can be changed using special crusher jaws  
<sup>4)</sup> For hard stone, CSS = Close Side Setting  
<sup>5)</sup> Crusher drive direct, all other main drives electric  
<sup>6)</sup> Depending on the respective exhaust emission standard  
<sup>7)</sup> Only in combination with a 63 A socket

OPERATING POSITION



MATERIAL FLOW



The plant is easy and intuitive to operate, excels with a variety of control and overload systems, and is extremely powerful and efficient in operation. For example, the Continuous Feed System facilitates the work of the operator as the machine automatically regulates a uniform material flow, therefore enabling optimal loading of the crusher.

The updated feeder chute design also ensures an improved material flow. Thanks to its compact dimensions, the MOBICAT MC 110 EVO2 is extremely versatile and quick to transport and load. In addition, thanks to its easy-to-fold components – such as the side discharge conveyor and the extended crusher discharge conveyor – the machine is ready to go in just a few steps.

**STANDARD EQUIPMENT**

- > Hydraulically foldable feed hopper
- > Frequency-controlled feeder chute, frequency-controlled prescreen. Automatic control depending on crusher level thanks to CFS (Continuous Feed System)
- > Intelligent overload system for short-term overloads at selected points to protect the crusher
- > Intelligent load reduction system during long operation under extraordinarily high forces protects the crusher
- > Jaw crusher with crusher jaws made of high-quality hard manganese steel
- > SPECTIVE control concept: Menu-controlled user interface, 12-inch operating panel; lockable control cabinet, protected against dust and vibration
- > SPECTIVE remote control: Wired and wireless remote control incl. switch-off function for feeding unit
- > John Deere Operations Center™: platform for digital solutions for optimising processes, machines and services - and to simplify maintenance planning
- > Water spray system reduces dust
- > Sophisticated lighting concept for safe plant operation

**OPTIONS**

- > SPECTIVE CONNECT displays all important machine information directly on the smartphone
- > Hopper extension up to entire hopper volume of approx. 7.5 m³, rigid design
- > Hopper filling aids for rear loading: Width of feed opening 3,600 mm
- > Side discharge conveyor, hydraulically foldable, can be used on both sides and available in two lengths
- > Large selection of different prescreen covers for upper and lower deck
- > Prescreen platform in right feed direction next to the chute for maintenance and service work (standard left)

**OPTIONS**

- > Crusher unblocking system for starting the crusher when the crushing chamber is full, forward and reverse running possible
- > Active overload system, very fast reaction to overload, automatic repositioning of the gap
- > Deflector plate (standard) additionally with replaceable elements
- > Diesel refuelling pump: Hose system incl. pump, refuelling from a separate tank possible
- > PreCare diesel prefilter with automatic water separator
- > Camera system monitors the feeding unit and the crusher from the ground, available with additional wireless expansion, additional connection to SPECTIVE CONNECT
- > Power pack enclosure for insulation of noise sources and mitigation of dust formation
- > Small radio remote control with the most important operating functions
- > Electromagnetic separator, permanent magnet separator, magnet preparation
- > Reinforced conveyor belt for crusher discharge conveyor
- > Crusher discharge conveyor belt cover
- > Extended crusher discharge conveyor, hydraulically foldable, available with additionally reinforced conveyor belt, available with additionally extended belt cover
- > Belt scale available for crusher discharge conveyor with WPT Crushing for worldwide live recording of performance data and construction site progress in the John Deere Operations Center™
- > Climate package: Heating and cooling package
- > Sockets for supplying electrical users:  
16 A: 230 V/400 V; 32 A: 400 V; 63 A: 400 V
- > Water pump with pressure monitoring
- > Additional spray system filter upstream of the water pump prevents clogging of the water nozzles
- > Raised engine air intake for lower dust exposure
- > Line coupling for linking with other KLEEMANN plants, also available as a wireless variant
- > Premium lighting for expanded illumination of work areas
- > Additional head scraper at crusher discharge conveyor
- > Quick Track for selecting machine operating mode quickly and easily, operation via remote control

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